CLAIMS:

1. A method of increasing the power handling capability of a power line, the method comprising:

providing a conductor configured to transmit energy intermediate plural locations;

supporting the conductor at a plurality of positions intermediate the locations, the supporting at a plurality of positions defining a plurality of spans of the conductor;

creating a model of the conductor;

identifying a critical span;

altering the modelled conductor responsive to the identifying; and

analyzing the modelled conductor following the altering.

2. The method according to claim 1 further comprising analyzing the modelled conductor at an increased operating condition and the identifying being responsive to the analyzing the modelled conductor at the increased operating condition.

3. The method according to claim 1 further comprising supporting the conductor using a plurality of clamps.

4. The method according to claim 3 wherein the altering the modelled conductor includes at least one of removing a portion of the modelled conductor and adjusting the positioning of one of the clamps within the modelled conductor.

5. The method according to claim 1 further comprising identifying another critical span responsive to the analyzing.

6. The method according to claim 5 further comprising repeating the altering and analyzing following the identifying the another critical span.

7. The method according to claim 1 further comprising optimizing including repeating the altering and the analyzing.

8. The method according to claim 1 wherein the analyzing comprises using a digital computer.

9. A method of increasing power handling capability of a power line, the method comprising:

providing a conductor configured to transmit energy intermediate plural locations;

supporting the conductor using a plurality of clamps; and

altering the conductor including at least one of removing a portion of the conductor and adjusting the positioning of one of the clamps relative to the conductor.

10. The method according to claim 9 further comprising:

creating a model of the conductor;

analyzing the modelled conductor at an increased operating condition; and

identifying a critical span responsive to the analyzing.

11. The method according to claim 10 wherein the altering is responsive to the identifying.

12. The method according to claim 10 further comprising:

altering the modelled conductor following the identifying; and

analyzing the modelled conductor following the altering of the modelled conductor.

13. The method according to claim 12 further comprising optimizing including repeating the altering and the analyzing of the modelled conductor.

14. A method of increasing the power handling capability of a power line, the method comprising:

providing a conductor configured to transmit energy intermediate plural locations;

creating a model of the conductor;

first analyzing the modelled conductor at an increased operating condition;

identifying a critical span responsive to the first analyzing;

altering the modelled conductor responsive to the identifying; and

second analyzing the modelled conductor following the altering.

15. The method according to claim 14 wherein the first analyzing comprises analyzing the modelled conductor at a maximum operating temperature.

16. The method according to claim 14 wherein the first and second analyzings individually comprise using a digital computer.

17. The method according to claim 14 further comprising supporting the conductor using a plurality of clamps.

18. The method according to claim 17 wherein the altering includes at least one of removing a portion of the modelled conductor and adjusting the positioning of one of the clamps within the modelled conductor.

19. The method according to claim 14 further comprising:

identifying another critical span responsive to the second analyzing; and

altering the modelled conductor following the identifying another critical span.

20. The method according to claim 14 further comprising optimizing including repeating the altering and the second analyzing.

add C1

Add D4